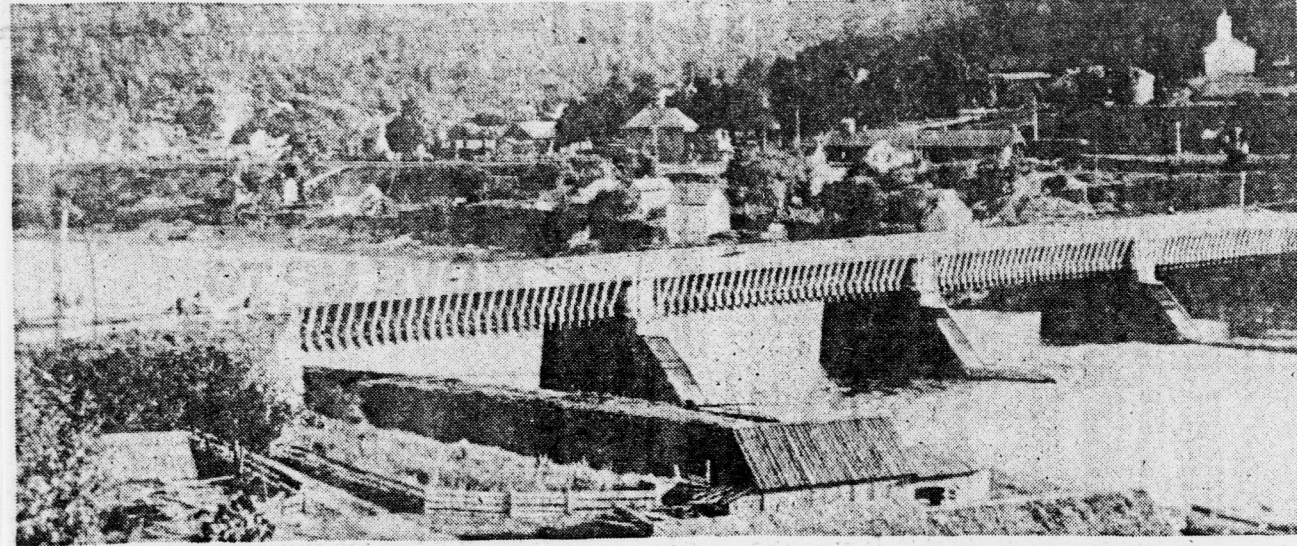


07-03-1985-p. 2

14--Wed., July 3, 1985 The Tribune, Scranton, Pa.



DELAWARE AQUEDUCT UNDERGOING RECONSTRUCTION - Automobile travel will resume by fall 1986 on the historic Delaware Aqueduct, linking Lackawaxen and Minisink, N.Y., following completion of a \$1.8 million renovation.

## Coming Back

National Park Service rebuilding aqueduct

By CHRIS FANELLE  
A bridge constructed in 1947 which once carried river barges across the Delaware River will soon take on a new look and purpose as it undergoes reconstruction to facilitate automobile travel across the rolling rapids between New York state and Pennsylvania.

Expected to be completed by fall of 1986, the \$1.8 million restoration of the historic Delaware Aqueduct, the nation's oldest existing wire cable suspension bridge, will allow the return of motor vehicle transportation from Minisink Ford, N.Y., to Lackawaxen.

The National Park Service, sponsors of the bridge project, purchased the bridge in 1980, three years after a truck accident caused it to close to local traffic. The Manhattan architectural firm Beyer Blinder Belle is engineering the restoration of the bridge, designed by Brooklyn Bridge engineer John A. Roebling.

The architect's plan will expose the long curves of wire cabling through a framework of wood. A similar framework once supported the towpath and a long wooden tub through which the canal passed. Automobiles will travel along the base of the tub, to be reconstructed without the surrounding walls to provide motorists with a panoramic view of the river.

Due to engineering requirements that differ with load restructuring the bridge to carry cars rather than water will be the biggest challenge of the project, according to John Belle, PAIA, partner in the firm.

The aqueduct is built to support an immense, but unchanging load of canal water. Since the heavy barges that once passed over the bridge displaced their own weight in water, they as well as their passengers did not increase this "dead" load.

In order for the bridge to carry motor vehicles, however, the structure must be rebuilt to handle the friction of the ever-changing load which causes the connecting wire cables to weaken and slide along their supports above the stone bases.

"We've solved the friction problem by weighing down the bridge with a heavy reinforced concrete roadway," Belle said. "Just like water it will create such an immense dead load that the added live load will be trivial in comparison."

To further increase safety, bridge traffic will run in only one direction at a time and no truck traffic weighing more than 10 tons will be permitted.

"The National Park Service asked us to undertake the challenging risk of transforming this old aqueduct and auto bridge into a modern highway to serve residents of this area," Belle said. "We believe our engineering solution will both improve the bridge's usefulness and restore its beauty."

Ammann and Whitney, of New York City, are engineering consultants for the project. Coastal Structures Inc., of Manasquan, N.J., are contracted to perform cable restoration. Beyer Blinder Belle has also completed projects including the Ellis Island National Monument

with Notter Finegold and Alexander; Central Park bridges, the has revitalized several business museum block of South Street districts in Northern New Jersey.

Long live the DDH Canal.

Both are excited about participating; I didn't ask H.A.B. before I put her in the program, but I knew she would be pleased to participate.

Returned to Elkdale and made final plan for the Independence Day ceremony in Maplewood.

07-04-1985-p. 1

The Times did not run their release last night; The Tribune not only ran it, but gave it good placement on the page.

# INDEPENDENCE DAY

# The Tribune

Good Morning

Mostly Sunny

Details on Page Two.

25¢

Northeastern Pennsylvania's Morning Newspaper Since 1856  
Scranton, Pa. 18505 Thursday, July 4, 1985

## neighborhoods

### Maplewood rites 'Fourth' highlight

Expected to take about a half hour, the ceremony will be held at the historic site of the old city hall, which will be open to the public. The ceremony will be held at the historic site of the old city hall, which will be open to the public.

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Maplewood - 9 A.M.  
"Coffee" at Suchnick's  
Dinner at Golf Course  
To Elkdale - session  
at Tricker Creek  
Dinner - male  
by H.A.B.

These ceremonies are held annually on America's birthday in honor of the more than 7,000 citizens of Carbonate who are celebrating their city's 25th birthday. The ceremony is the oldest in the city of Carbonate, and one of the oldest in northeastern Pennsylvania. It is a tradition that has been celebrated for generations, and it is a day of celebration for the entire community. The ceremony is held at the historic site of the old city hall, which will be open to the public. The ceremony will be held at the historic site of the old city hall, which will be open to the public.

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